

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Tsukasa SHIRAISHI et al. :
Serial No. NEW : **Attn: APPLICATION BRANCH**
Filed May 20, 2004 : Attorney Docket No. 2004-0787

SEMICONDUCTOR DEVICE INCLUDING A
WIRING BOARD WITH A THREE-DIMENSIONAL
WIRING PATTERN
**(Rule 1.53(b) Divisional of Serial No. 10/337,879,
Filed January 8, 2003)**

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 10/337,879.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the
above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office
Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

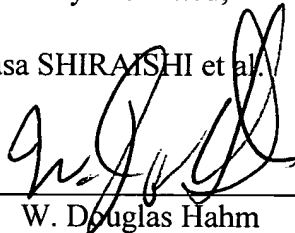
3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page ,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Tsukasa SHIRAIISHI et al.

By



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May 20, 2004

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: May 20, 2004

ATTY DOCKET NO.
2004-0787SERIAL NO.
NEWAPPLICANT
Tsukasa SHIRAISHI et al.FILING DATE
May 20, 2004

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,719,438	2/1998	Beilstein, Jr. et al.	257	686	
	AB	5,477,082	12/1995	Buckley, III et al.	257	679	
	AC	5,936,843	8/1999	Ohshima et al.	257	773	
	AD	5,346,750	9/1994	Hatakeyama et al.	428	209	
	AE	5,646,446	7/1997	Nicewarner, Jr. et al.	257	723	
	AF	5,448,511	9/1995	Paurus et al.	257	686	
	AG	4,514,042	4/1985	Nukii et al.			
	AH	6,208,521	03/2001	Nakatsuka			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AI	7-27925	3/1995	Japan			Abstract	
	AJ	2-177449	7/1990	Japan			Abstract	
	AK	5-243330	9/1993	Japan			Abstract	
	AL	8-17867	1/1996	Japan			Abstract	
	AM	8-124965	5/1996	Japan			Abstract	
	AN	11-154728	6/1999	Japan			Abstract	
	AO	3-262195	11/1991	Japan			Abstract	
	AP	63-291498	11/1988	Japan			Abstract	
	AQ	11-040618	02/1999	Japan			Abstract only	
	AR	6-069279	03/1994	Japan			X	
	AS							

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.